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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/919,803	08/02/2001	James F. Hayes	3814	4294

7590 11/12/2004
DOUGHERTY, CLEMENTS & HOFER
THE ROXBOROUGH BUILDING
1901 ROXBOROUGH ROAD, SUITE 300
CHARLOTTE, NC 28211

EXAMINER

LORENZO, JERRY A

ART UNIT	PAPER NUMBER
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1734

DATE MAILED: 11/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Supplemental
Notice of Allowability**

Application No.

09/919,803

Examiner

Jerry A. Lorengo

Applicant(s)

HAYES, JAMES F.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to _____.
2. ☒ The allowed claim(s) is/are 21-25.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION¹

(1)

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Ralph Dougherty on November 8, 2004

The application has been amended as follows:

In claim 22, line 1, "claim 20" has been deleted and replaced with --claim 21--.

In claim 23, line 1, "claim 20" has been deleted and replaced with --claim 21--.

In claim 24, line 1, "claim 20" has been deleted and replaced with --claim 21--.

(2)

Allowable Subject Matter

Claims 21-25 have been found to be allowable over the prior art of record.

(3)

The following is an examiner's statement of reasons for allowance:

The admitted prior art of the instant specification disclose that the lamination of a preformed elastomer (thermoplastic) film to a fabric through the use of an adhesive for use in airbags is known. The admitted prior art, however, does not specifically disclose that the fabric, prior to coating with an adhesive, is coated with a curing compound that increases the viscosity of an adhesive applied thereon such that upon application of the adhesive and pressure lamination of the thermoplastic film thereto, the curing compound reduces penetration of the adhesive into the fabric as compared to a fabric manufactured without the curing compound. U.S. Patent No. 3,936,542 to Cox, however, disclose that it is known to control the penetration of a coating material, such as a urethane into a fabric through the pre-application of a curing

¹ This action is a supplemental notice of allowability issued to correct the dependencies of claims 22-25. Claims 22-25 have been amended via an attorney-authorized examiner's amendment to depend correctly from independent claim 20.

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compound, such as an amine, to the fabric such that the coating material, upon contact, self-thickens and swells to a very great extent forming stable highly viscous gels. Although it is generally known, such as taught by U.S. Patent No. 3,775,205 to Hermann et al., also drawn to film fabric laminates, to utilize a urethane adhesive cured by a trialkylamines, none of the prior art of record specifically teaches or suggests the method as set forth in applicant claim 21 wherein the wherein the curing compound comprises at least two amine moieties per molecule of curing agent and reduces penetration of the adhesive into the fabric compared with a coated fabric manufactured without the curing compound.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

(4)

Response to Amendments and Arguments

The amendments and arguments filed April 29, 2004 are acknowledged. In response to the amendments to applicant claim 21 and the arguments set forth on pages 4-6 of the Applicant's Remarks section, claims 21-25 have been passed to issue as set forth and explained in sections (1) and (2), above.

(5)

Drawings

The application having been allowed, formal drawings are required in response to this Office Action.

(6)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerry A Lorengo whose telephone number is (571) 272-1233. The examiner can normally be reached on Monday through Friday, 8:30 A.M. to 5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Fiorilla can be reached on (571) 272-1187. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



J.A. Lorengo, Primary Examiner

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November 8, 2004